

# ABSTRACT

A multivalue control system includes a controlled multivalue system, the controlled multivalue system having a plurality of correcting variables as input variables and a plurality of controlled variables as output variables. Furthermore, a plurality of comparators is provided for ascertaining control deviations. A plurality of controllers is provided, a control deviation being able to be supplied to each controller as an input variable. The multivalue control system has a correcting variable conversion device, output values made available by the controllers being able to be supplied to the correcting variable conversion device as input variables. The correcting variable conversion device ascertaining from the output variables of the controllers the correcting variables for the controlled multivalue system.